

Message

From: Meacham, John M. [/O=NPPD/OU=CGO/CN=RECIPIENTS/CN=JMMEACH]
Sent: 2/13/2012 9:48:46 PM
To: Vanek, Jason A. [javanek@nppd.com]
Subject: RE: MPCE Question

General approximations for GGS are:

Scrubbers: Wet - over 98%
 Dry – Up to 95%
SCR: Over 95%
DSI: Up to 60% (maybe)
SNCR: Up to 20% (maybe)
ACI: Over 90%

As we have discussed many times, the DSI and SNCR numbers are very iffy without any unit-specific testing to substantiate them. The other technologies have good, proven experience on units our size.

From: Vanek, Jason A.
Sent: Monday, February 13, 2012 3:36 PM
To: Meacham, John M.
Subject: MPCE Question

John,

I am putting together some slides for the GOA public forums and need to know what are some good approximate removal efficiencies for various pollution control equipment. I was going to use the following:

Scrubbers – over 98% removal
SCR – over 95% removal
DSI – up to 80% removal
SNCR – up to 20% removal
ACI – over 90% removal

Are these numbers good as a general approximation? If these numbers are significantly different than the ones you are estimating for GGS equipment let me know what those numbers are and I can use those instead.

Thanks

Jason Vanek, P.E.
Environmental Engineer
Nebraska Public Power District
E-Mail: javanek@nppd.com
Office: (402) 563-5333
Cell: (402) 910-1717
Fax: (402) 563-5168

